Serial II-27—104,000—5-11-46.

(195) Department.

SERIES.

G.O. NO. 183

Dated 5-5-51

7538/51

[Despatch Abstract.]

PUBLIC WORKS DEPARTMENT.

BOARD OF REVENUE
9538
15 MAR 1951

From Sri
T.S.Venkatarama Ayyar, B.A., I.S.E.,
Chief Engineer (Grow More Food)
Chepauk, Madras.

To
The Secretary to Government,
Public Works Department,
Fort St.George, Madras.

Letter No. 295/51-S-1 dated 7-3-51.

Sir,

Sub: IRRIGATION - South Kanara District - Udipi Taluk - Restoration of Malthodu Madaga in Hiliyana village - Plans and estimate - Submitted for sanction.

I forward herewith an estimate amounting to Rs.24,200/- for works or to Rs. 31,486/- including direct and indirect charges for improvements to Malthodu madaga in Udipi Taluk for according administrative approval.

2. The report accompanying the estimate explains in detail the proposals. The Collector, South Kanara District has recommended the proposals - vide his No. D.Dis. 6923/49 dated 3-8-50 (copy enclosed).

The Scheme is a very small one and can be completed by the target date if administrative approval is accorded very early. The return on the scheme is very poor but still considering the deficit nature of the District and the lesser scope for the construction of major irrigation works, the scheme is worth taking up as one of the Intensive cultivation Grow More Food schemes recommended by the Collector. The Scheme will be eligible for Government of India subsidy - vide separate working sheet attached. This scheme was not previously included either in the target list or in the five year Grow More Food programme.

3. The estimate is commendable to

T.S.Venkataraman Ayyar,

p.p/8-3-51. Ex Chief Engineer (Grow More Food)

Enc: One estimate with report.
One Key Map.
One Copy of Collector's letter.

Endorsement No. 295/51-S-2 dated 7-3-51.

Copy to the Ex-officio Secretary to Government, Food and Agriculture (F.P.) Department, Board of Revenue for information and necessary action.

for Chief Engineer (Grow More Food)

To
The Ex-officio Secretary to Government,
Food & Agriculture (F.P) Department,
Board of Revenue, Chepauk, Madras.
Enc: One estimate with report.
One Key Map. (will follow)
One Copy of Collector's letter.
p.p/8-3-51.

Circle: Coimbatore.
Division: South Kanara.
District. -do-

ESTIMATE FORM - Abstract.

Item No.	Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6	7
		IMPROVEMENTS TO HALTHODU MADAGA IN HILIYANA VILLAGE OF UDIPI TALUK.				
		CONSTRUCTION OF A WASTE WEIR OF LENGTH 13' on the Right Flank in laterite masonry.				
1.	4 units.	Earthwork excavation for foundation.	21-10-0	unit.	87 0 0	
2.	310 cft.	Concrete for foundation - Broken laterite stone in cement mortar 1:4 10.	128--7-0	100 cft.	399 0 0	
3.	310 cft.	Masonry - Random rubble in cement mortar 1:4	126--0-0	do	536 0 0	
4.	2175. "	Roughstone dry packing for aprons and revetment.	36-10-0	do	775 0 0	
5.	L.S.	Unforeseen works.			103 0 0	
				Total.	1900 0 0	
		CONSTRUCTION OF TANK SLUICE WITH TOWER HEAD.				
1.	L.S.	Earthwork excavation for foundation and refilling sides as per breach closing work.		L.S.	200 0 0	
2.	2730 cft.	Concrete for foundation, broken stone 1.1/2" granite jelly in cement mortar 1:4:10	128-7-0	100 cft.	3506 0 0	
3.	2490 cft.	Masonry, random rubble in cement mortar 1:4	126/-	100 cft.	2937 0 0	
4.	293 cft.	Granite slab covering over sluice barrel 6" thick.	4/-	cft.	972 0 0	
5.	38 cft.	Fixing cut stones in cement mortar 1:4	6/8	do	247 0 0	

1	2	3	4	5	6	7
				(contd.)		
6.	1240 sft.	Plastering with cement mortar 1:4 for 1/2" thickness for sluice barrel and cistern walls outside	16-3-0	100 sft.	201-0-0	
7.	140 cft.	Wearing course of cement concrete baby jelly 1:2 4 & 3" thick.	225-10-0	100 cft.	316-0-0	
8.	L.S.	Providing and fixing screw plug.			500-0-0	
9.	1200 cft.	Roughstone dry packing for revetment.	36-10-0	-do-	443--0-0	
10.	L.S.	Unforeseen items.			78-0-0	
					9400--0-0	
		Bund proper (vide estimate .I).				
1.	300 units.	Heavy jungle clearance including destroying.	10/10	unit.	188-0-0	
	1.5 "	Benching old embankment 1.1/2' x 1.1/2'	9/10	-do-	14-0-0	
	130 "	Earthwork for forming the bund.	48-5-0	-do-	6281--0-0	
	45 "	Roughstone dry packing for revetment.	36-10-0	-do-	1648--0-0	
		Providing a puddle core in the breached section.	L.S.		500--0-0	
					8631--0-0	
2.		Construction of Tower head sluice(as per estimate II).			9400--0-0	
3.		Constructing a surplus weir (as per estimate III).			1900--0-0	
4.	L.S.	Unforeseen items like baling set, cutting trees etc.			1069--0-0	
5.	"	Blasting stones and variation in rates etc.			2000--0-0	
6.	"	Contingencies & petty supervision charges at 5%			1200--0-0	
				Total.	24200--0-0	
		Total fof works outlay.			24200--0-0	
		Add direct & indirect charges.				
		Tools and Plant at 2%			484--0-0	
		Audit & Accounts at 1%			242--0-0	
		Establishment charges at 25%.			6050--0-0	
		Pensionary charges at 8.43% of establishment charges.			510--0--0	31486

Copy of D.Dis.no.6923/49, dated 8-8-1950 from Janab Syed Ahmed, .(Hons)., Collector of South Kanara, to the Sppg. Engineer, batore Circle.

-Irrigation - G.M.F. - South Kanara Dt. - Udipi Taluk - Hiliyana village - Restoration of Halthodu madaga - revenue and administrative aspects - report.

Ref:-Letter no. 310 SE, dated 24-2-50 of the Executive Engineer, South Kanara Division.

I furnish here below my remarks on the revenue and administrative aspect of the proposal.

2. Revenue aspects: The source in question is not a registered one. Hence there is no registered ayacut under it. After improvements it is expected to supplement water supply to an extent of 211.10 acres during the first crop season and to an extent of 59-13 acres during the second crop season. Besides, it will bring an additional extent of 162-34 acres under cultivation during the second crop season. A list of lands to be benefited is appended. As is seen from the list, the lands to be benefitted stand registered as wet I class, II class and III class. After improvements are effected all these lands will be liable for transfer to wet I class and assessed at the highest wet rate by virtue of the fact that second crop could be raised on them with the help of the water from the source. The additional revenue that will accrue on this basis will be as follows:-

	Ac.	Cents.
i. Area of the future ayacut on which 2 wet crops could be raised after improvements.	211	16
ii. Present assessment thereon.	Rs.89-12-0	
iii. Future assessment at Rs.8-7-0 per acre:	Rs.1781-2-0	
iv. Additional revenue(iii)-(ii)	Rs.971-7-0	

3. The reclassification of wet II and III class lands can be ordered by the Government in exercise of the powers vested in it under para 40 of the Resettlement Notification. This course may be adopted in preference to the levy of water charge for the following reasons.

4. The levy of water charge is not in vogue in this District. The Resettlement Notification of this District also does not contemplate this course. Hence to legalise this levy of water charge, a special enactment is necessary. Even after such an enactment itself levy for the second crop raised and lands registered as wet I class and wet II class(two crop lands) may not be fully justifiable, as the assessment fixed for these lands includes charge for II crop also. Moreover, the additional revenue that is derivable on account of the collection of water rate of Rs.5 per acre as proposed by the Executive Engineer, is slightly less than that recoverable by reclassification and upgrading the wet lands as stated in para 2 above.For easy reference and ready comparison,I am here below giving the working sheet of additional revenue that will accrue by collection of water rate:

Area irrigated by the source during the 2nd crop season.	Gross additional revenue derivable by water tax at Rs.5 on the area in col. 1.	Deduction on a/c of charge for 2nd crops now included in the consolidated assessment on wet I class and wet II class (2) crops) lands.	Net additional revenue. (Col.2-3)
*1	2	2	4
A.2110-0-10	Rs.1055-8-0	Rs.89-5-0	Rs.966-3-0

I therefore reiterate that the course explained in para2 and 3 above may be adopted, as it is more advantageous and as it involves

P.T.O.

no fresh legal enactment.

5. In addition to the additional revenue worked out in para 2 above, the Government can recover the whole or a portion of the cost of improvements under section 3(3) of the Tank improvement Act,(Madras Act XX of 1949). I propose the recovery of the cost at the following rates on wet II class single crop lands and wet III crop lands. As the lands to be benefitted are located in the Malnad ara, where ryots are faced with many agricultural problems, I am recommending a comparatively low rate for the recovery of the cost.

i. Wet II class lands(single crop) per acre. Rs.50/-.
ii, WetIII classlands per acre Rs.75/-.

At the above rates, the portion of the cost to be recovered from the ryots to be benefitted is calculated below.

Nature of the land.	Extent.	Rate.	Amount.
A. Wet II class.	30.3	50	151- 8-0
B. Wet III class.	143.85	75	10788-12-0
			10940- 4-0

6. Administrative aspects: The proposal is feasible from the Administrative point of view. Though it is not remunerative, it is worthwhile taking it up from the point of view of food production for the reasons explained below.

7. The proposal being unremunerative eligible for subsidy of Rs.9798 from the Central Government.(working sheet separately attached) as per instructions contained in Board's Rt.No.520 P.W.I dated 12-5-50. Further the share of cost to be borne by the Government will be reimbursed in the shape of recovery of cost of repairs to the extent of Rs.10010-4-0 as worked out in para 5 above. The net cost to be borne by the State Government will be Rs. (Rs.9798 plus Rs.10010-4-0) : Rs.19808-12-0. The additional revenue of Rs.771-7-0 on the net share of the capital outlay to be actually borne by the State Government actually works out at 5.3%. Moreover, the value of additional food grains estimated at 81.17 tons of rice (additional yield from II crop) works out to Rs.20.675(at the rate of Rs.250 per ton). Thus it is clear that the value of additional food grains for one year exceeds the share of the cost to be borne by the State Government. Under these circumstances, I am of opinion that the scheme deserves to be sanctioned from the financial as well as the G.M.F. point of view.

8. This is a deficit district so far as food is concerned. The peculiar geographical features of this District hardly allow any scope for the construction of remunerative major irrigation works. The District has to depend mainly on the works of the kind dealt with in this reference to augment its food resources. I therefore recommend that the proposal in question may be taken up for execution at an early date so that it can yield results by 1952.

// True Copy //

tss. 8/8.

Report to accompany the estimate for "Restoring the Halthodu Madaga in no.31 of Hiliyanna village of Udipi taluk.

Estimate amount including direct and indirect charges. 31,486.

This tank is not one of those included in the 5 year programme of G.MF schemes. This was investigated only on recommendation of the District Collector and was found worth taking up after preliminary investigation.

2. Situation and source of supply: The tank is situated in S.no.77/1 of no.31 Hiliyanna village of Udipi taluk close to the road from Coondapur to Someshwar at Mile 13/2. It receives only the drainage from its free basin of 0.15 sq. miles. It is surrounded by high hills on three sides with an earthen bund on the fourth. The valley being at the foot of the hills with thick forest at the head, the copious springs existing in the valley flow in a stream till about the end of March or even up to middle of April at times. It is reported that some decades ago, the tank with the stream flowing into it was a source of great help to the ryots for raising second crop and also first crop in the case of the high level fields. But due to unusually heavy rains some years back the bund being not up to standards with dequate surplus arrangments breahced in the centre. No attempts were thereafter made by the ryots to close the breach as they were not hopeful that by doing this further recurrenceof the breach could be prevented.

The tank has neither pucca masonry escapes nor sluices. When it was in good condition the surplussing was done on the right flank on rocky boulders where the bund proper is isolated from the surplus course by a small hillock on the rear. At present the water that flows through the breach is diverted to the fields by three channels at different le

3. Scope of the scheme. There is no registered ayacut under the tank . First crop is raised in the whole valley right up to the Haladi river mainly from South West monsoon rains. For Second crop, which is raised only on the lo level fields the water from the stream flowing into the tank is made use of. It is gathered that, as shown in the ayacut list, an extent of 59.13 acres is benefitted by this source for raising second crop even after the breach. Hence if the tank is restored and water impunded, the capcity be 1.1.m.cft., it is expected that in continuation with the stream which flows right up to the end of March an additi area of 26 acres can be counted for raisin second crop at a duty of 23 acres per m.cft. The tank wa will be utilised for about 45 days to mature the standing crop from December 15 to end of January. The financial as have been worked out with reference to an aycut of 59.15 plus 26 = 85 acres, the whole ayacut being teated as addi tional. This is guided by the fact, successful 2nd crop is mainly dependent upon timely rains, which if fails the c 2nd crop will also fail. The repairs will stabilise the crop over the entire area of 85 acres.

4. Proposals. The following improvements are now p to be carried out:

i. To close the existing breach in the bund, raise the from 116.6 to 120.00 and reform the bund to the standar prescribed, with a puddle core wall in the reach where FTL depth exceeds 15 ft. in the breached portion.

ii. To construct a tower head sluice L.S. 93 with sill 94.50 with 12" diameter plug hole with plug and screw arrangements.

iii,To construct a masonry surplus weir on the right from L.S.152 to 165.

5.Flood dischrage provided for:Run off is computed on the incidence of maximum rainfall in 24 hour as any other method is likely to give mis-leading figures, the catchment area being small. A maximum of 15" of rainfall in 24 hours has been taken as in the case of Chandramadaga in this taluk. Assuming cent per cent run off. the drainage from the catchment area of 0.15 sq. mile is $\frac{0.15 \times 5280 \times 5280 \times 15}{24 \times 60 \times 60 \times 12}$

: 60.5 or 61 cusecs.

6. Surplus arrangment:The surplus will be allowed on the right flank over a masonry weir of 2'0" crest width with a depth of 4'0" base width of 3'Ø" which acts as a rough stone stoping escape. Assuming a head of 1.5 feet for discharge, the weir is capable of discharing per foot run.

$2/3 \times C \times d \times \sqrt{2gh}$

2/3 x 0.50 x 1.5 x 8.x 1.5 C:0.50

4.89 Cusecs.

hence the length of the surplus escape required to discharge the full run off 614.89 :13 ft. Hence a length of 13 ft. of masonry escape is adopted.

The surplus course below the weirs is now only about 6 ft. wide, the bed level being at an average level of 116.7 This will be widened to the full width of 13 ft. and sides pitched to a height of 3 ft. for a length of 29'6". For a length of 19'0", the depression in the bed will be filled, rammed and pitched with retaining walls at the end, beyond which the bed will be pitched with a dry stone for a length of 10 ft. to act as talus. The body wall will be keyed into the nose of rivetted bund to have adequate bearing as shown in plan.

7. Bund standrad.

F.T.L.	120.00
M.W.L.	121.50
T.B.L.	127.50
Deepest bed level.	99.00
Depth of water over sill.	21 ft.
Front slope of bund.	1½:1
Rear slope of bund	2:1

The front slope of the bund will be rivetted to the full length upto 1 ft. above MWL i.e. upto level 122.50.

8.Capacity of the tank: Waterspread at 105.00 : 0.028m.sft.
-do- 120.00 :0.1112m.Sq.ft
Capacity upto 105.00 $\frac{0.028 \times 105.99}{3}$
: 0.056 m.cft.

Capacity of the tank:between 105 x 120

$\frac{0.112 \text{ plus } 0.028}{2} \times 120 - 105$
:1.05 m.cft.

Total capacity above 99.00 upto FTL. 120.00
1.05 plus 0.056
:1.1 m.cft.

Sluices: One tower head sluice with a plug hole of 12" diameter will be constructed at the present breach at L.S. 93 to regulate the supply of water to the fields. The sill of the sluice will be kept at 94.50 and the rear cistern will have two vents one to feed the channel serving the high level fields at 99.00 and the other to feed the channel serving the low level fiedls at 94.50. There will be a front cistern as shown in plan to draw water and divert into the tunnel body wall of which will be 2/3 the height to retain

contd...

earth pressure steps will be provided to rear cistern with a stem rod shutter to close the vent when required.

10.Bench marks.Two bench marks are elft. These are 1)Top of cutstone fixed on the down stream side of the bund just above the low level channel Rs.100.00.

11) Top of cutstone fixed on the bund near the left flank at L.S. 10(RL.122.99)

11. Financial aspects of the same: The total area for which water supply will be assured for the 2nd crop on account of the restoration of the tank is 85 acres(minimum) Adopting a water rate of Rs.10 per acre the net return after deducting for collecting and maintenance charges will be 2.36% which is fairly good.

12. General. The quantity of additional food grains that may be expected after the implementation of the scheme is 42.5 tons at 1/2 ton per acre and its value at Rs.250 per ton is Rs.10625. Thus the scheme promises to be of great G.MF value and deserves to be implemented as early as possible based on the full ayacut of 85 AC present and future.

True copy

Superintendent

PWD Samaj

PUBLIC WORKS DEPARTMENT.

From Sri
T.S.Venkataraman Ayyar, B.E., I.S.E.,
Chief Engineer (Grow More Food)
Madras.

To
The Secretary to Govt.,
Public Works Department,
Fort St.George, Madras.

Letter No. 225/51-3-1 dated 7-3-51.

Sir,

Sub: IRRIGATION - South Kanara District - Udipi Taluk - Restoration of Halthodu Madaga in Hiliyana village - Plans and estimate - Submitted for sanction.

I forward herewith an estimate amounting to Rs.24,200/- for works or to Rs. 31,486/- including direct and indirect charges for improvements to Halthodu madaga in Udipi Taluk for according administrative approval.

2. The report accompanying the estimate explains in detail the proposals. The Collector, South Kanara District has recommended the proposals - vide his No. D.Dis. 6923/49 dated 8-8-50 (copy enclosed).

3/. The Scheme is a very small one and can be completed by target date if administrative approval is accorded very early. The return on the scheme is very poor but still considering the deficit nature of the District and the lesser scope for the construction of major irrigation works, the scheme is worth taking up as one of the Intensive cultivation Grow More Food Schemes as recommended by the Collector. The Scheme will be eligible for Government of India subsidy - vide separate working sheet attached. This scheme was not previously included either in the Target or in the five year Grow More Food Programme.

3. The estimate is chargeable to

for Chief Engineer (Grow More Food)

p.p/8-3-51.

Enc: One estimate with report.
One Key Map. (will follow).
One Copy of Collector's letter.

PWD (J)

A-2
FA(F.P) U.O.

17.3.51.

15/3/51

P.W.D. U.O.
III(1)/51-1
17.3.51.

Circle: Coimbatore.
Division: South Kanara.
District. -do-

Estimate - Abstract.

Item No.	Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
1	2	3	4	5	6	7
		IMPROVEMENTS TO HALTHODU KADAVU IN KUNDAPURA VILLAGE OF UDIPI TALUK.				
		CONSTRUCTION OF A NEW WEIR OF LENGTH 13' on the Right Flank in laterite masonry.				
1.	4 units.	Earthwork excavation for foundation.	21-10-0	unit.	87 0 0	
2.	310 cft.	Concrete for foundation - Broken laterite stone in cement mortar 1:4 10.	128--7-0	100 cft.	399 0 0	
3.	310 cft.	Masonry - Random rubble in cement mortar 1:4	126--0-0	do	536 0 0	
4.	2175. "	Roughstone dry packing for aprons and revetment.	36-10-0	do	775 0 0	
5.	L.S.	Unforeseen works.			103 0 0	
				Total.	1900 0 0	
		CONSTRUCTION OF TANK SLUICE WITH FOUR HEAD.				
1.	L.S.	Earthwork excavation for foundation and refilling sides as per breach closing work.		L.S.	200 0 0	
2.	2730 cft.	Concrete for foundation, broken stone 1.1/2" granite jelly in cement mortar 1:4:10	128-7-0	100 cft.	3506 0 0	
3.	2490 cft.	Masonry, random rubble in cement mortar 1:4	126/-	100 cft.	2937 0 0	
4.	293 cft.	Granite slab covering over sluice barrel 6" thick.	4/-	cft.	972 0 0	
5.	38 cft.	Filling cut stone in cement mortar 1:4	6/3	do	247 0 0	

1	2	3	4	5	6	7
					(contd.)	
6.	1240 sft.	Plastering with cement mortar 1:4 for 1/2" thickness for sluice barrel and cistern walls outside	16-3-0	100 sft.	201-0-0	
7.	140 cft.	Wearing course of cement concrete baby jelly 1:2 4 & 3" thick.	225-10-0	100 cft.	316-0-0	
8.	L.S.	Providing and fixing screw plug.			500-0-0	
9.	1210 cft.	Roughstone dry packing for revetment.	36-10-0	-do-	443--0-0	
10.	L.S.	Unforeseen items.			78-0-0	
					9400-0-0	
		Bund proper (vide estimate .I).				
1.	300 units.	Heavy jungle clearance including destroying.	10/10	unit.	188-0-0	
	1.5 "	Benching old embankment 1.1/2' x 1.1/2'	9/10	-do-	14-0-0	
	130 "	Earthwork for forming the bund.	48-5-0	-do-	6281--0-0	
	45 "	Roughstone dry packing for u revetment.	36-10-0	-do-	1648--0-0	
		Providing a puddle core in the breached section.	L.S.		500--0-0	
					8631--0-0	
2.		Construction of Tower head sluice(as per estimate II).			9400--0-0	
3.		Constructing a surplus weir (as per estimate III).			1900--0-0	
4.	L.S.	Unforeseen items like baling set, cutting trees etc.			1069--0-0	
5.	"	Blasting stones and variation in rates etc.			2000--0-0	
6.	"	Contingencies & petty supervision charges at 5%			1200--0-0	
				Total.	24200--0-0	
					24200--0-0	
					484--0-0	
					242--0-0	
					6050--0-0	
					610--0--0	31486

Copy of D.Dis.no.6923/49, dated 8-8-1950 from Janab Syed ... B.Sc.(Hons)., Collector of South Kanara, to the Sppg. Eng'r ... Coimbatore Circle.

Sub:-Irrigation - G.M.F. - South Kanara Dt. - Udipi Taluk - ... village - Restoration of Halthodu madaga - revenue and administrative aspects - report.

Ref:-Letter no. 310 SE, dated 24-2-50 of the Executive Engineer, South Kanara Division.

I furnish here below my remarks on the revenue and administrative aspect of the proposal.

2. Revenue aspects: The source in question is not a registered one. Hence there is no registered ayacut under it. After improvements it is expected to supplement water supply to an extent of 211.10 acres during the first crop season and to an extent ... acres during the second crop season. Besides, it will bring ... additional extent of 162-34 acres under cultivation during ... crop season. A list of lands to be benefited is appended. ... From the list, the lands to be benefitted stand registered ... I class, II class and III class. After improvements are ... these lands will be liable for transfer to wet I class and ... at the highest wet rate by virtue of the fact that second crop ... be raised on them with the help of the water from the source. ... additional revenue that will accrue on this basis will be ...

i. Area of the future ayacut on which 2 wet crops could be raised after imprxovements.	Ac. ... 211 ...
ii.Present assessment thereon.	Rs.89-1[illegible]-0
iii.Future assessment at Rs.8-7-0 per acre:	Rs.1781-[illegible]-0
iv. Additional revenue(iii)-(ii)	Rs.97[illegible]-7-0

3. The reclassification of wet II and III class ... be ordered by the Government in exercise of the powers vested ... under para 40 of the Resettlement Notification. This course ... adopted in preference to the levy of water charge for the follo... reasonx.

i. The levy of water charge is not in vogue in this District. Resettlement Notification of this District also does not co... this course. Hence to legalise this levy of water charge, a ... enactment is necessary. Even after such an enactment itself ... for the second crop raised and lands registered as wet I class ... et II class(two crop lands) may not be fully justifiable, ... assessment fixed for these lands includes charge for II crop ... Moreover, the additional revenue that is derivable on ... of the collection of water rate of Rs.5 per acre as proposed by ... Executive Engineer, is slightly less than that recoverable ... rification and upgrading the wet lands as stated in para ... Easy reference and ready comparison,I am here below giving the ... sheet of additional revenue that will accrue by collection of ... rate:

Area irrigated by the source during the 2nd crop season.	Gross additional revenue derivablex by water tax at Rs.5 on the area in col. 1.	Deduction on a/c of charge for 2nd ... crops now included in the consolidated ... assessment on wet ... I class and wet II cl... (2) crops) lands.
	2	2
.2110-0-10	Rs.1055-8-0	Rs.89-5-0 Rs.[illegible]

I therefore reiterate that the course explained in para 2 and ... above may be adopted, as it is more advantageous and as it ...

P.T.O.

no fresh legal enactment.

5. In addition to the additional revenue worked out in para 2 above, the Government can recover the whole or a portion of the cost of improvements under section 3(3) of the Tank improvement Act,(Madras Act XX of 1949). I propose the recovery of the cost at the following rates on wet II class single crop lands and wet III crop lands. As the lands to be benefitted are located in the Malnad ara, where ryots are faced with many agricultural problems, I am recommending a comparatively low rate for the recovery of the cost.

i. Wet II class lands(sinle crop) per acre. Rs.50/-.
ii, WetIII classlands per acre Rs.75/-.

At the above rates, the portion of the cost to be recovered from the ryots to be benefitted is calculated below.

Nature of the land.	Extent.	Rate.	Amount.
A. Wet II class.	30.3	50	151- 8-0
B. Wet III class.	143.85	75	10788-12-0
			10940- 4-0

6. Administrative aspects: The proposal is feasible from the Administrative point of view. Though it is not remunerative, it is worthwhile taking it up from the point of view of food production for the reasons explained below.

7. The proposal being unproductive eligible for subsidy of Rs.9798 from the Central Government(working sheet separately attached) as per instructions contained in Board's Rt.No.520 F.P.III/ dated 18-5-50. Further the share of the cost to be borne by the Government will be reimbursed in shape of recovery of cost of repairs to the extent of Rs.10940-4-0 as worked out in para 5 above. The net cost to be borne by the State Government will be Rs.39,0 (Rs.9798 plus Rs.10940-4-0) : Rs.18286-12-0. The additional revenue of Rs.791-7-0 on the net share of the capital outlay to be actually borne by the State Government actually works out at 5.3%. Moreover, the value of additional food grains estimated at 81.17 tons of rice (additional yield from II crop) works out to Rs.20.675(at the rate of Rs.250 per ton). Thus it is clear that the value of additional food grains for one year exceeds the ~~share~~ share of the cost to be borne by the State Government. Under the circumstances, I am of opinion that the scheme deserves to be sanctioned from the financial as well as the G.M.F. point of view.

8. This is a deficit district so far as food is concerned. The peculiar geographical features of this District hardly allow any scope for the construction of remunerative major irrigation works. The District has to depend mainly on the works of the kind dealt with in this reference to augment its food resources. I therefore recommend that the proposal in question may be taken up for execution at an early date so that it can yield results by 1951.

// True Copy //

Report to accompany the estimate for "Restoring the Halthodu Madaga in no.31 of Hiliyanna village of Udipi taluk.

Estimate amount including direct and indirect charges. 31,486.

This tank is not one of those included in the 5 year programme of G.I.P schemes. This was investigated only on recommendation of the District Collector and was found worth taking up after preliminary investigation.

2. Situation and source of supply: The tank is situated in S.no.77/1 of no.31 Hiliyanna village of Udipi taluk close to the road from Coondapur to Someshwar at Mile 13/2. It receives only the drainage from its free basin of 0.15 sq. miles. It is surrounded by high hills on three sides with an earthen bund on the fourth. The valley being at the foot of the hills with thick forest at the head, the copious springs existing in the valley flow in a stream till about the end of March or even up to middle of April at times. It is reported that some decades ago, the tank with the stream flowing into it was a source of great help to the ryots for raising second crop and also first crop in the case of the high level fields. But due to unusually heavy rains some years back the bund being not up to standards with adequate surplus arrangments breahced in the centre. No attempts were thereafter made by the ryots to close the breach as they were not hopeful that by doing this further recurrence of the breach could be prevented.

The tank has neither pucca masonry escapes nor sluices. When it was in good condition the surplussing was done on the right flank on rocky boulders where the bund proper is isolated from the surplus course by a small hillock on the rear. At present the water that flows through the breach is diverted to the fields by three channels at different

3. Scope of the scheme. There is no registered ayacut under the tank. First crop is raised in the whole valley right up to the Haladi river mainly from South West monsoon rains. For Second crop, which is raised only on the low level fields the water from the stream flowing into the tank is made use of. It is gathered that, as shown in the ayacut list, an extent of 59.13 acres is benefitted by this source for raising second crop even after the breach. Hence if the tank is restored and water impounded, the capcity being 1.1.m.cft., it is expected that in continuation with the stream which flows right up to the end of March an additional area of 26 acres ~~pur m.cft.~~ can be counted for raising second crop at a duty of 23 acres per m.cft. The tank water will be utilised for about 45 days to mature the standing crop from December 15 to end of January. The financial aspects have been worked out with reference to an aycut of 59.13 plus 26 = 85 acres, the whole ayacut being teated as additional. This is guided by the fact successful 2nd crop is mainly dependent upon timely rains, which if fails the 2nd crop will also fail. The repairs will stabilise the 2nd crop over the entire area of 85 acres.

4. Proposals. The following improvements are now proposed to be carried out:

i. To close the existing breach in the bund, raise the FTL from 116.6 to 120.00 and reform the bund to the standards prescribed, with a puddle core wall in the breach where the FTL depth exceeds 15 ft. in the breached portion.

ii. To construct a tower head sluice at L.S. 93 with sill at 94.50 with 12" diameter plug hole with plug and screw gear arrangements.

iii, To construct a masonry surplus weir on the right flank from L.S.152 to 165.

P.T.

5. Flood discharge provided for: Run off is computed on the incidence of maximum rainfall in 24 hours as any other method is likely to give mis-leading figures, the catchment area being small. A maximum of 15" of rainfall in 24 hours has been taken as in the case of Chandramadaga in this taluk. Assuming cent per cent run off. the drainage from the catchment are of 0.15 sq. mile is $\frac{0.15 \times 5280 \times 5280 \times 15}{24 \times 60 \times 60 \times 12}$

= 60.5 or 61 cusecs.

6. Surplus arrangment: The surplus will be allowed on the right flank over a masonry weir of 2'0" crest width with a depth of 4'0" base width of 3'Ø" which acts as a rough stone stoping escape. Assuming a head of 1.5 feet for discharge, the weir is capable of discharing per foot run.

$2/3 \times C \times d \times \sqrt{2gh}$

$2/3 \times 0.50 \times 1.5 \times 8.x\ 1.5$ C=0.50

4.89 Cusecs.

Hence the length of the surplus escape required to discharge the full run of 614.89 =13 ft. Hence a length of 13 ft. of masonry escape is adopted.

The surplus course below the weirs is now only about 6 ft. wide, the bed level being at an average level of 116.7 This will be widened to the full width of 13 ft. and sides pitched to a height of 3 ft. for a length of 29'6". For a length of 19'0", the depression in the bed will be filled, rammed and pitched with retaining walls at the end, beyond which the bed will be pitched with a dry stone for length of 10 ft. to act as talus. The body wall will be keyed into the nose of rivetted bund to have adequate bond as shown in plan.

7. Bund standrad.

F.T.L.	120.00
M.W.L.	121.50
T.B.L.	127.50
Deepest bed level.	99.00
Depth of water over sill.	21 ft.
Front slope of bund.	1½:1
Rear slope of bund	2:1

The front slope of the bund will be rivetted to the full length upto 1 ft. above MWL i.e. upto level 122.50.

8. Capacity of the tank: Waterspread at 105.00 = 0.000 m.
-do- 120.00 0.111 m.
Capacity upto 105.00 $\frac{0.028 \times 105.9}{3}$
: 0.056 m.cft.

Capacity of the tank: between 105 x 120

$\frac{0.112 \text{ plus } 0.028}{2} \times 120 - 105$
:1.05 m.cft.

Total capacity above 99.00 upto TL 120.00
1.05 plus 0.056
=1.1 m.cft.

Sluices: One tower head sluice with a plug hole of 1" diameter will be constructed at the present breach at L.S. 93 to regulate the supply of water to the fields. The sill of the sluice will be kept at 94.50 and the rear cistern will have two vents one to feed the channel serving the high level fields at 99.00 and the other to feed the channel serving the low level fields at 94.50. There will be a front cistern as shown in plan to draw water and divert into the tunnel body wall of which will be 2/3 the height to retain

contd...

earth pressure steps will be provided to rear cistern with a stem rod shutter to close the vent when required.

10. Bench marks. Two bench marks are ~~left~~. These are i) Top of cutstone fixed on the down stream side of the bund just above the low level channel RL 100.00.

ii) Top of cutstone fixed on the bund near the left flank at L.S. 10(RL.122.99)

11. Financial aspects of the same: The total area for which water supply will be assured for the 2nd crop on account of the restoration of the tank is 85 acres(minimum) Adopting a water rate of Rs.10 per acre the net return after deducting for collecting and maintenance charges will be Rs.26[illegible] which is fairly good.

12. General. The quantity of additional food grains that may be expected after the implementation of the scheme is 42.5 tons at 1/2 ton per acre and its value at Rs.250 per ton is Rs.10625. Thus the scheme promises to be of great G.[illegible]F value and deserves to be implemented as early as possible based on the full ayacut of 85 AC present and fu[illegible]

True copy

Superintendent

83

BOARD OF REVENUE
11903
3-APR 1951

From Sri
A.R.Venkatachari, B.E.,M.I.E.(Ind),
M.Am.Soc.C.E.,I.S.E.,
Chief Engineer for Irrigation,
Chepauk, M a d r a s.

To
The Ex-Officio Secretary to
Government,
Food and Agricultural Department
(Food Production) Department.

LETTER NO:295/51B-1, dated 2nd April 1951.

Sir,

Sub:Irrigation - South Kanara District - Udipi Taluk - Restoration of Halthodu Madaga in Hiliyana village - Plans and Estimate.

In continuation of my Endt.No.295/51B-2, dated 7.3.51, I request that the above scheme may be included in the supplemental programme of Intensive Cultivation Schemes for 1950-51 as item No. 65 as this is only a small scheme which can be completed and brought to beneficial use before the Target date. This Scheme has not been included previously in the programme of ~~S.~~ Schemes for 1950-51.

Intensive cultivation

2. The estimate is chargeable to "68 Construction of Irrigation etc.works -Unproductive - Non-system works .

U. Ankrishnaswami 2/4/51
For Chief Engineer for Irrigation.

Copy to the Secretary to Government, P.W.D.

mts;2/4.

Sanction

Note (50)

H.

Please see letter [illegible] at p. ante
The scheme was approved at [illegible] and
placed before the [illegible] for final sanction
at its meeting held on 16.4.51 for approval.
It has been proposed to include the scheme
in the Second Five Year Plan. The
Municipal authority is called for in the Act. Only
it may be added to the concurrent list.

[illegible] 23/4/51

[illegible] 23/4/51

From Sri
A.R.Venkatachari, B.E.,M.I.E.(Ind),
M.Am.Soc.C.E.,I.S.E.,
Chief Engineer for Irrigation,
Chepauk, M a d r a s.-

To

The Ex-Officio Secretary to
Government,
Food and Agricultural Department
(Food Production) Department.

LETTER NO:296/51B-4, dated 2nd April 1951.

Sir,

Sub:Irrigation - South Kanara District - Udipi Taluk - Restoration of Halthodu Madaga in Hiliyana village - Plans and Estimate.

In continuation of my Endt.No.296/51B-2, dated 7.3.51, I request that the above scheme may be included in the supplemental programme of Intensive Cultivation Schemes for 1950-51 as item No. 65 as this is only a small scheme which can be completed and brought to beneficial use before the Target date. This Scheme has not been included previously in the programme of ~~Irc~~ Schemes for 1950-51.

2. The estimate is chargeable to "68 Construction of Irrigation etc.works -Unproductive - Non-system works .

V Ashwamy 2/4/51

For Chief Engineer for Irrigation.

Copy to the Secretary to Government, P.W.D.

mts;2/4.

Note for the Cabinet Committee for Food Production.

T.I.

Sub: Irrigation - ~~Intensive Cultivation (Works)~~ Scheme - South Kanara Dt. - Udupi taluk. Hiliyana village - Restoration of Halthodu Madaga - Proposal.

Proposal: Halthodu Madaga is a tank situated in Hiliyana village of Udupi taluk, South Kanara Dt. It receives the ~~only~~ drainage from its basin of 0.15 sq. miles only. It is surrounded by high hills on three sides with an eastern bund on the fourth. It is reported that some decades ago, the tank, with a stream flowing into it, was a source of great help to the ryots for raising second crop and also first crop in the case of high level fields. But due to unusually heavy rains some years back, the bund of the tank breached in the centre and no attempts were made by the ryots to close the breach. The tank has neither pucca masonry escapes nor sluices. It is now proposed (i) to close the existing breach in the bund and reform the bund to the standards prescribed (ii) to construct a new head sluice with plug and screw gearing arrangements; and (iii) to construct a masonry surplus weir on the right flank.

2. Area benefited and food value: The source in question is not a registered one and there is no registered ayacut under it. First crop is now being raised in the whole valley mainly depending on South West Monsoon rains.

Form at once. 3.25 PM 12.4.57

5-2/12/4

A p. 11 c/f

B p. 11 b

E p. 11 c

A p. 7 c/f

C p. 11 c

For second crop, which is raised on an average extent of 59.13 acres) the low lying fields, the water from the stream flowing into the tank is made use of. The Coll. of South Kanara has reported that the restoration of Hattaradu Hadaya will assure supply of water, as a supplemental source of irigation to an existing cultivated extent of 211.10 acres during the first crop season and 59.13 acres during the second crop season. He has also reported that the scheme will benefit 2nd crop cultivation on a new extent of 162.34 acres. But the C.E. (I) has stated that the scheme will benefit second crop cultivation on the existing cultivated extent of 59.13 acres and a new extent of 25 acres. He considers that the work will stabilise the second crop over the entire area of 85 acres. He estimates the anticipated additional production at 42.5 tons of rice. The C.E.'s estimate may be accepted.

3. Revenue and financial effects:

A statement of financial forecasts as a result of the scheme is appended. ~~to this note~~. The scheme is estimated to cost Rs. 24,200/- for works or Rs. 31,461/- inclusive of direct and indirect charges. It is reported that the S.E. has proposed a water rate of Rs. 5/- per acre. The Collector reports that the levy of water charge is not in vogue in the district and the Resettlement Notification does not also contemplate this course. He considers that a gross additional

para 2 p 7 revenue of Rs. 971/7/- can be derived by way of reclassification of lands to be benefited, by invoking the provisions of paragraph 40 of the Resettlement Notification of the district. But it has been previously decided that reclassification of lands in South Kanara Dt. is not permissible during the currency of resettlement. Hence, no gross additional revenue will accrue to the Govt., as a result of execution of the Scheme. The Scheme is, therefore, unremunerative and will be eligible for a subsidy of Rs. 15731/- from the Govt. of India.

The cost of the Scheme is debitable to "68 - Construction of Irigation etc. works Irigation works - Unproductive - Non System works." The expenditure on the Scheme during 1951-52 will be met from the lump sum provision of Rs. 30 lakhs made in the B.E. for 1951-52 for expenditure on T.B. works under the control of the P.W.D. The work will be carried out under the provisions of the Madras Irigation & Tanks (Improvement) Act, 1949 and recovery of cost effected with reference to the rules framed thereunder.

4. Recommendation: The Collr. has reported that the District, which is a deficit one in the matter of food,

presents peculiar geographical features which hardly allow any scope for the construction of major migation works. In this view the district has, therefore, mainly to depend on the works of the kind dealt with here; the has recommended the sanction of the Scheme and its early execution, so as to yield results by 1952. The C.E. (HF) has also recommended the scheme for sanction for the same reasons. This department supports the proposal and recommend its sanction by the Cabinet Committee for Food Production Revenue and Finance Depts. also.

5. The proposal is now placed before the Cabinet Committee for Food Production for approval

Sd/
12.4.51

12/4/51

12/4/51

9/12/52

Appendix

vide (L) :-

Statement of financial forecast.

	Rs.
(1) Works outlay	24,200
(2) Establishment charges at 25% of item (1)	6,050
(3) Leave and pensionary charges at 8.019% of item (2)	485
(4) Tools and Plant at 2% of item (1)	484
(5) Audit and Accounts at 1% of item (1)	242
Gross outlay	31461

Gross revenue = Nil.

Govt. of India Subsidy = Rs. $\frac{31461}{2}$

= Rs. 15,731/-.

6.4.57 6/4/57 3/6/4/57 7/12/[illegible]

12

copies sent to

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vide 1

Food & Agriculture (Food Production) Dept.
Chepauk, Madras.

NOTE FOR THE CABINET COMMITTEE FOR FOOD PRODUCTION.

SUB: IRRIGATION - ~~Intensive Cultivation (Works)~~ Tank Improvement Scheme - South Kanara Dt. - Udipi taluk - Hiliyana village - Restoration of Halthodu Madaga - Proposal.

Proposal: Halthodu Madaga is a tank situated in Hiliyana village of Udipi taluk, South Kanara District. It receives the drainage from its basin of 0.15 sq. miles only. It is surrounded by high hills on three sides with an earthern bund on the fourth. It is reported that some decades ago, the tank, with a stream flowing into it, was a source of great help to the ryots for rasing second crop and also first crop in the case of high level fields. But due to the unusually heavy rains some years back, the bund of the tank breached in the centre and no attempts were made by the ryots to close the breach. The tank has neither pucca masonry escapes nor sluices. It is now proposed (i) to close the existing breach in the bund and reform the bund to the standards prescribed; (ii) to construct a lower head sluice with plug and screw gearing arrangements; and (iii) to construct a masonry surplus-weir on the right flank.

2. Area benefited and food value: The source in question is not a registered one and there is no registered ayacut under it. First crop is now being raised in the whole valley mainly depending on the rains during the South West Monsoon.. For second crop, which is raised on the low lying fields, (average extent of 59.13 acres) water from the stream flowing into the tank is made use of. The Collector of South Kanara has reported that the restoration of Halthodu Madaga will assure supply of water, as a supplemental source of irrigation to an existing cultivated extent of 211.10 acres during the first crop season and 59.13 acres during the second crop season. He has also reported that the scheme will benefit 2nd crop cultivation on a new extent of 162.34 acres. But the Chief Engineer (Irrigation) has stated that the scheme will benefit second crop cultivation on the existing cultivated extent of 59.13 acres and a new extent of 26 acres. He considers that the work will stabilise the second crop

crop over the entire area of 85 acres. He estimates the anticipated additional production at 42.5 tons of rice. The Chief Engineer's estimate may be accepted.

3. Revenue and financial aspects.

A statement of financial forecast in respect of the Scheme is appended. The scheme is estimated to cost Rs.24,200/- for works or Rs. 31,461/- inclusive of direct and indirect charges. It is reported that the Executive Engineer has proposed a water rate of Rs.5/- per acre. The Collector reports that the levy of water charge is not vogue in the district and the Resettlement Notification does not also contemplate this course. He considers that a gross additional revenue of Rs.971/7/- can be derived by way of reclasification of lands to be benefited, by invoking the provisions of paragraph 40 of the Resettlement Notification of the district. But it has been previously decided that reclassification of lands in South Kanara District is not permissible during the currency of resettlement. Hence, no gross additional revenue will accrue to the Government, as a result of execution of the scheme. The scheme is, therefore, unremunerative and will be eligible for a subsidy of Rs.15,731/- from the Government of India.

The cost of the scheme is debitable to "68 - Construction of Irrigation etc. works - Irrigation Works - Unproductive - Non system works". The expenditure on the scheme during 1951-52 will be met from the lump sum provision of Rs. 30 lakhs made in the B.E. for 1951-52 for expenditure on Tank Improvement works under the control of the P.W. D. The work will be carried out under the provisions of the Madras Irrigation Tanks (Improvement) Act, 1949 and recovery of cost effected with reference to the rules framed thereunder.

4. Recommendation: The Collector has reported that the District, which is a deficit one in the matter of food, presents peculiar geographical features, which hardly allow any scope for the construction of major irrigation works. In this view the distri[illegible] therefore mainly to depend on the works of the

kind dealt with here. Hence he has recommended the sanction of the scheme and its early execution, so as to yield results by 1952. The Chief Engineer (Grow More Food) has also recommended the scheme for sanction for the same reasons. This department support the proposal and recommend its sanction by the Cabinet Committee for Food Production. Revenue and Finance Departments agree.

5. The proposal is now placed before the cabinet committee for Food Production for approval.

V.S. Hejmadi,
Secretary to Government (Ex-Officio).

ND 12.4.51.

APPENDIX.

Statement of financial forecast.

	Rs.
1. Works outlay	24,200
2. Establishment charges at 25% of item (1)	6,050
3. Leave and Pensionary charges at 8.019% of item (2)	485
4. Tools and Plant at 2% of item (1)	484
5. Audit and Accounts at 1% of item (1)	242
Gross outlay	31,461

Gross revenue = N i l.

Government of India subsidy Rs. $\frac{31,461}{2}$

= Rs. 15,731/-.

V.S. Hejmadi,
Secretary to Government (Ex-Officio).

ND 12.4.51.

FOOD AND AGRICULTURE (FOOD PRODUCTION) DEPARTMENT.

Note for circulation.

No. FP.IV 10170/51-4 dated 25th April 1951.

Sub:- COMMITTEES - Cabinet Committee for Food Production - Meeting held ~~xxxxx~~ on Monday the 16th April 1951 at 5-15 P.M. - Proceedings.

Copies of the Proceedings of the meeting of the Cabinet Committee for Food Production held on the 16th April 1951 approved by the Hon'ble Chief Minister may be circulated to all members of the Committee.

2. Copies of the Proceedings may also be communicated to all concerned for information and necessary action.

P. Sivasankaran Pillai,
Deputy Secretary to Government (Ex-Officio).

To
The Hon'ble Chief Minister.
" Minister for ~~Xxxx~~ Agriculture.
" " " Food.
" " " Public Works.
" " " Revenue.
" " " Finance.
The Chief Engineer (Irrigation), Madras.
" (G.M.F. & Buildings) Madras.
" Director of Agriculture, Madras.
" Joint Director of Agriculture, Madras.
" Superintending Engineer (Food Production) Madras.
Copy to the Registrar of Co-operative Societies, Madras.
" Director of Fisheries, Madras.
" Secretary to Government, Finance Dept.
" Dy. Secretary to Govt. F & A Dept.
" Rev. P.W. & Dev. Depts.
" Camp Clerk to Commissioner of Food Production.
" Camp Clerk to the Secretary (Food Production)
" Asst. Secy. & Addl. Asst. Secy. (F.P.)
" All Sections in F.P.
Spare copies 15.

Forwarded/By order

27.4.51

SUPERINTENDENT.

27/4/51

ND 26.4.51.

FOOD AND AGRICULTURE (FOOD PRODUCTION) DEPARTMENT.

Minutes of the proceedings of the meeting of the Cabinet Committee for Food Production held at 5-15 P.M. on MONDAY, the 16th APRIL 1951.

Present.

Honourable Chief Minister (Presiding)

" Minister for Agriculture.

" Minister for Finance.

" Minister for Revenue.

" Minister for Public Works.

IRRIGATION SCHEMES:-

1. Irrigation - Intensive cultivation (works) schemes - Kurnool district - Koilkuntla taluk-Havaram etc villages- Provision of irrigation facilities - Excavation of a channel - Proposal -

A P P R O V E D.

2. Irrigation - Intensive Cultivation (works) schemes - West Godavari district - Eluru taluk - Agadallaika channel - Submersion of lands on the right side - Remedial measures - proposal -

A P P R O V E D.

3. Irrigation - Intensive Cultivation (works) scheme - Nellore district - Kovvur taluk - Improvements to North Amalur tank - Proposal -

A P P R O V E D.

4. Irrigation - Tank Improvement Schemes - South Kanara district - Udipi taluk - Restoration of Halthoda Malagu in Hiliyar village - Proposal.

A P P R O V E D.

5. Irrigation - Tank Improvement Scheme - Nellore district - Podili taluk - Narasimhasahibpalli village - Restoration of Krishna Reddy Kothagunta - Proposal

A P P R O V E D.

6. Irrigation - Tank Improvement Scheme - Chittoor district - Punganur taluk - Jedimadevulakunta - Improvements - Proposal -

A P P R O V E D.

7. Irrigation - Tank Improvement scheme - South Arcot district - Kallakurichi taluk - Constructing a supply channel to Pasungavanangalam tank etc - Proposal -

A P P R O V E D.

8. Agriculture - G.M.F. Supply of oil engines and electric motor stores - System of issue - Revision of target for 50-51 and employment of additional staff during 1951-52 in the office of the Director of Agriculture, Madras.

A P P R O V E D.

G E N E R A L:

9. Intensive cultivation schemes - Progress report for February 1951 - Review.

R E C O R D E D.

10. Irrigation - South Kanara District - Karkal Taluk - Yerlapadi village-Govindas Hamlet - formation of a new tank - Proposal.

A P P R O V E D.

11. Fixation of date for the next meeting: 11-5-51 at 11 A.M.

P.S. KUMARASWAMY RAJA,
Hon'ble Chief Minister.

ND 27.4.51.

F. HA.(F.F.II)/54

Abstract: Irrigation - Tank Improvement Scheme - South Kanara Dt. - Udipi taluk - Hiliyana village - Restoration of Halthodu Madaga - Estimate for Rs 24,200/- for works - Sanctioned.

Read: From the C.E. (Lg.M.F.) letter No. 295/51-B-1, dated 7.3.51.

Order Ms. No. 183, F&HA(F.F.), dated 5.5.51.

H.E. the Governor of Madras hereby sanctions an estimate for Rs. 24,200/- (Rupees twenty four thousand and two hundred only) for works or Rs. 31,461/- (Rupees thirty one thousand, four hundred and Sixty one only) inclusive of direct and indirect charges, for the restoration of Halthodu Madaga in Hiliyana village of Udipi taluk, South Kanara Dt., under the Tank Improvement Scheme.

2. The expenditure on the work is debitable to "60 - Construction of Irrigation, (Navigation, Embankment and Drainage) works - Irrigation works - Unproductive - Non-system works." The current year will be met from the lump sum provision of Rs. 30 lakhs made in the B.E. for 1951-52 for Tank Improvement

works under the control of the P.W.D.
The C.E (Lgt.F.) is requested to include the Scheme in the Programme of Tank Improvement Schemes for 1951-2 under his control.

3. The Collector of ~~Kollaru~~ South Kanara is requested to notify the work under the Madras Irrigation Tanks (Improvement) Act, 1949. His attention is invited to the Madras Irrigation Tanks (Improvement) Rules, 1950 issued in G.O. Ms. No. 177, P&H (F.R.) Deptt., dated 17-10-1950. He is requested to take necessary action for the immediate publication of notice under rule 5 and for recovery of cost under rules 6 and 7 and the executive instructions issued in Memo. No. 3941/50-1, P&H (F.R.) Deptt., dated 2-2-51, when the Scheme is brought to beneficial use.

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9-MAY 1951
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Government of Madras
Food and Agriculture (Food Production) Department.

ABSTRACT

IRRIGATION - Tank Improvement Scheme - South Kanara District - Udipi taluk - Hiliyana village - restoration of Halthodu Madaga - Estimate for Rs.24,200/- for works - Sanctioned.

G.O.Ms.No.183, F&A (FP) Dated 5.5.51.

Read the following:-

From the Chief Engineer (Grow More Food) letter No. 295/51-B-1, dated 7.3.51.

ORDER :

His Excellency the Governor of Madras hereby sanctions an estimate for Rs.24,200/- (rupees twenty four thousand and two hundred only) for works or Rs.31,461/- (rupees thirty one thousand, four hundred and sixty one only) inclusive of direct and indirect charges, for the restoration of Halthodu Madaga in Hiliyana village of Udipi taluk, South Kanara District, under the Tank Improvement Scheme.

2. The expenditure on the work is debitable to "68.Construction of Irrigation, Navigation, Embankment and Drainage works - Irrigation works - Unproductive - non-system works". The expenditure during the current year will be met by reappropriation from the lump sum provision of Rs.30 lakhs made in the Budget Estimate for 1951-52 for Tank Improvement works under the control of the Public Works Department. The Chief Engineer (G.M.F.) is requested to include the scheme in the Programme of Tank Improvement Schemes for 1951-52 under his control.

3. The Collector of South Kanara is requested to notify the work under the Madras Irrigation Tanks (Improvement) Act, 1949. His attention is invited to the Madras Irrigation Tanks (Improvement) Rules, 1950 issued in G.O.Ms.No.177, F.&.A (FP) Department., dated 17.10.1950. He is requested to take necessary action for the immediate publication of notice under rule 5 and for recovery of cost under rules 6 and 7 and the executive instructions issued in Memo.No.39746/50-1 F & A (FP) department dated 2.2.51, when the scheme is brought to beneficial use.

P.Sivasankaran Pillai,
Deputy Secretary to Government.
(Ex-Officio)

To
The Chief Engineer (Grow More Food)
Board of Revenue (Land Revenue)
Board of Revenue (F.P.II.)
Collector of South Kanara, Mangalore
The Accountant General, Madras through Finance Department.
Copy to the Finance (A.G.) Department.
Copy to the Finance (Exp.C.) Department.
Copy to the Public (Economics & Statistics), Public Works and Revenue Departments.
Copy to the Special Officer, Propaganda. Spare Copies 25.

forwarded / by order

V.T. Thirtamalai
Superintendent. 7/5/

SS.7.5.51.

39/215 Revenue 166/1 Govt.

Food & Agriculture (Food Production) Dept.
Chepauk, Madras.

Note for circulation.

~~NOTE FOR THE CABINET COMMITTEE FOR FOOD PRODUCTION.~~

SUB: IRRIGATION - ~~Intensive Cultivation (Works)~~ Tank Improvement Scheme - South Kanara Dt. - Udipi taluk - Hiliyana village - Restoration of Halthodu Madaga - Proposal.

Proposal: Halthodu Madaga is a tank situated in Hiliyana village of Udipi taluk, South Kanara District. It receives the drainage from its basin of 0.15 sq. miles only. It is surrounded by high hills on three sides with an earthern bund on the fourth. It is reported that some decades ago, the tank, with a stream flowing into it, was a source of great help to the ryots for rasing second crop and also first crop in the case of high level fields. But due to the unusually heavy rains some years back, the bund of the tank breached in the centre and no attempts were made by the ryots to close the breach. The tank has neither pucca masonry escapes nor sluices. It is now proposed (i) to close the existing breach in the bund and reform the bund to the standards prescribed; (ii) to construct a lower head sluice with plug and screw gearing arrangements; and (iii) to construct a masonry surplus weir on the right flank.

2. Area benefited and food value: The source in question is not a registered one and there is no registered ayacut under it. First crop is now being raised in the whole valley mainly depending on the rains during the South West Monsoon.. For second crop, which is raised on the low lying fields, (average extent of 59.13 acres) water from the stream flowing into the tank is made use of. The Collector of South Kanara has reported that the restoration of Halthodu Madaga will assure supply of water, as a supplemental source of irrigation to an existing cultivated extent of 211.10 acres during the first crop season and 59.13 acres during the second crop season. He has also reported that the scheme will benefit 2nd crop cultivation on a new extent of 162.34 acres. But the Chief Engineer (Irrigation) has stated that the scheme will benefit second crop cultivation on the existing cultivated extent of 59.13 acres and a new extent of 26 acres. He considers that the work will stabilise the second crop

crop over the entire area of 85 acres. He estimates the anticipated additional production at 42.5 tons of rice. The Chief Engineer's estimate may be accepted.

3. Revenue and financial aspects.

A statement of financial forecast in respect of the Scheme is appended. The scheme is estimated to cost Rs.24,200/- for works or Rs. 31,461/- inclusive of direct and indirect charges. It is reported that the Executive Engineer has proposed a water rate of Rs.5/- per acre. The Collector reports that the levy of water charge is not vogue in the district and the Resettlement Notification does not also contemplate this course. He considers that a gross additional revenue of Rs.971/7/- can be derived by way of reclasification of lands to be benefited, by invoking the provisions of paragraph 40 of the Resettlement Notification of the district. But it has been previously decided that reclassification of lands in South Kanara District is not permissible during the currency of resettlement. Hence, no gross additional revenue will accrue to the Government, as a result of execution of the scheme. The scheme is, therefore, unremunerative and will be eligible for a subsidy of Rs.15,731/- from the Government of India.

The cost of the scheme is debitable to "68 - Construction of Irrigation etc. works - Irrigation Works - Unproductive - Non system works". The expenditure on the scheme during 1951-52 will be met from the lump sum provision of Rs. 30 lakhs made in the B.E. for 1951-52 for expenditure on Tank Improvement works under the control of the P.W. D. The work will be carried out under the provisions of the Madras Irrigation Tanks (Improvement) Act, 1949 and recovery of cost effected with reference to the rules framed thereunder.

4. Recommendation: The Collector has reported that the District, which is a deficit one in the matter of food, presents peculiar geographical features, which hardly allow any scope for the construction of major irrigation works. In this view the district has, therefore, mainly to depend on the works of the

kind dealt with here. Hence, he has recommended the sanction of the scheme and its early execution, so as to yield results by 1952. The Chief Engineer (Grow More Food) has also recommended the scheme for sanction for the same reasons. This department have supported the proposal and recommend its sanction by the Cabinet Committee for Food Production. Revenue and Finance Departments have agreed.

5. The proposal ~~is now placed before~~ has been approved by the Cabinet Committee for Food Production ~~for approval~~ at its meeting held on 16.4.51. Orders sanctioning the Scheme are being issued separately ~~V.S. Nehmadi~~, ~~Secretary to Government (Ex-Officio)~~.

~~Copies~~ A copy of this note may be circulated for the information of H.Hs., who are not members of the Cabinet Committee ~~ND 12.4.51~~. for Food Production.

30.4.51 1/5/51 1/5/51

16 MAY 1951

APPENDIX.

Statement of financial forecast.

	Rs.
1. Works outlay ...	24,200
2. Establishment charges at 25% of item (1)	6,050
3. Leave and Pensionary charges at 8.019% of item (2)	485
4. Tools and Plant at 2% of item (1)	484
5. Audit and Accounts at 1% of item (1)	242
Gross outlay	31,461

Gross revenue = N i l.

Government of India subsidy Rs. $\frac{31,461}{2}$

= Rs. 15,731/-.

1/5/57.

V.S. Hejmadi,
Secretary to Government (Ex-Officio).

ND 12.4.

Fr. No. 953 FFP /51 Sub: Irrigation – Intensive Cultivation (Works) Schemes – South Kanara Dt. – Hiriyur taluk – Hiliyana village – Restoration of Halthodu madaga – Proposal.

Ref: From the CE(I) Dr. no. 2935/51-B-1 dt 7/10

The file relates to the proposal for the restoration of Halthodu madaga in ~~Hiliyana~~ Hiliyana village, Hiriyur taluk, South Kanara Dt.

Proposal: Halthodu Madaga is a tank situated in Hiliyana village of Hiriyur taluk, S. Kanara dt. It receives only the drainage from its free basin of 0.15 sq. miles. It is surrounded by high hills on three sides with an earthen bund on the fourth. It is reported that some decades ago, the tank with a stream flowing into it was a source of great help to the ryots for raising second crop and also first crop in the case of high level fields. But due to unusually heavy rains some years back, the bund of the tank breached in the R.C. and no attempts were made by the ryots to close the breach. The tank has neither pucca masonry escapes nor sluices. It is now proposed (i) to close the existing breach in the bund and reform the bund to the standards prescribed; (ii) to construct a tower head sluice with plug hole with plug and screw gearing arrangement; and (iii) to construct a masonry surplus weir on the right flank.

Area benefited and food value: The source in question is not a registered one and hence there is no registered ayacut

under it. First crop is now being raised in the whole valley mainly depending on S.W. monsoon rains. For Second crop, which is raised on an average extent of 59.13 acres of low lying fields, the water from the stream flowing into the tank is made use of. The Collector of S. Kanara has reported that the restoration of Haithadu Madaga will supplement source supply of water, as a supplemented source of irrigation, to an existing cultivated extent of 211.10 acres during the first crop season and 59.13 acres during the Second crop season. He has also reported that the Scheme will benefit Second crop cultivation on a new extent of 162.34 acres. But, the CE(I) has stated that the Scheme will benefit Second crop cultivation on the existing cultivated extent of 59.13 acres and a new extent of 26 acres. He considers that the work will stabilise the Second crop over the entire area of 85 acres. He estimates the anticipated additional production at 42.5 tons of rice. The CE's estimate may be accepted.

Financial Aspects: A statement of financial forecast is put up at (L). The Scheme is estimated to cost Rs. 24,200/- for works or Rs 31,461/- including direct and indirect charges. It is reported that the E.E. has proposed a water rate of Rs 5/- per acre. The collector reports that the levy of water charge is not in vogue in the district and that the Resettlement Notification of the dt. also does not contemplate this course. He considers that gross additional revenue of Rs 971-7-0 can be derived by reclassification of lands to be benefited. But it has been previously decided that reclassification of lands in South Kanara dt.

(L)

para 1 p 7 4

para 2 p 7 4.

4 A 1b32

during the currency of resettlement is not permissible. Hence no gross additional revenue will accrue to the Govt. from the scheme. The scheme may be included in the Supplemental Programme of 9-C works for 1951-52 and it will be eligible for a subsidy of Rs 15,731/- from the C.S.

The expenditure on the scheme during 1951-52 may be met from the lump sum provision of Rs 70 lakhs proposed to be made in the Bs for 1951-52 for irrigation schemes having Govt value.

The Collector has reported that the Govt. can recover the whole or a portion of the cost of the work under Sec. 3(3) of the Madras Irrigation (Improvement) Act, 1918. He has proposed comparatively low rates for the recovery of cost as the lands to be benefited are located in the Malnad area. It has been proposed separately to amplify the definition of tank in Sec. 2(d) of Act XIX of 1918, so as to include madagas in S. Kanara Dt. Moreover, the pre-requisite for applying Sec 3 of the Act, is the existence of the tank. In this case the scheme relates to the restoration of a madaga and hence it will not be governed by Act XIX of 1918. However, The Col(s) and the Collector may be asked to give wide publicity to the intention of Govt. to levy betterment fee on the lands to be benefited by the scheme in accordance with the general orders to be issued under the Irrn Bill when it becomes law.

Recommendation: The collector has reported that the district, which is a

deficit one so far as food is concerned, presents peculiar geographical features which hardly allow any scope for the construction of remunerative major irrigation works. As the district has to depend mainly on the works of the kind dealt with in this file, the Collector recommends the sanction of the Scheme and its early execution so that it can yield results by 1952. For the same reasons, the Cr(P) also recommends the sanction.

In view of A on p3 ante and B above, this Dept. may recommend the Scheme to the Cabinet Committee for Food Production for sanction. Rev. and Fin. may see for remarks.

26/3/51 — 27/3/51 — 27/3/51

Rev
Fin
Dev

9538-F.P/II/51-
28-3-51

Rev Dept

JoAS

The notes of F&A(FP) from p1 ante may be perused. This Dept may agree with the views of F&A(FP) at A above.

M

ADDITIONAL ASST. SECRETARY TO GOVT.
28 MAR 1951
24840 H
REVENUE DEPARTMENT

2. As the lands to be benefited are situated in the Railroad area, Dev may also see.

A on p3 ante 28/3

3. With the above remarks, the file may be passed on to Finance through Development

by 28/3 — 28/3

'M' on p3 ante:— While sanctioning the scheme F&A(F.P) will no doubt include

P.T.O

a para in the draft order, as usual, on the lines of para 4 of G.O. Ms. No. 1910 P.W.D. dated 16.5.50.]

Ks
29/3/51

By
29-3-51

per 3624 P&D/51

Rev no 24840 P&D/51-1
3035

30/3/51

~~S/Ur~~ 30.3.51

Dev
Fin

T A1

CHIEF SECRETARY TO GOVERNMENT
30 MAR 1951
SECRETARIAT DEPARTMENT

The notes of F & A. (F.P.) and Rev. Deptt. in Pl-5 above may be perused and the file passed on to Finance.

per. deptt.

Pl
30/3/51 Dnd 31-3-51

G
31/3/51 S./2/4/Fin

Ev U.O. No. 3624 P&D/51-1
2-4-51

Finance (Expre.C) Deptt.

ADDITIONAL DEPUTY SECRETARY
26665
2 APL 1951
FINANCE DEPARTMENT

The file deals with the proposal to restore the Halthodu Madaga in Hiliyana village, Uidipi taluk, S.Kanara district. The cost of the scheme is estimated at Rs 24,200 for works or Rs 31,461 inclusive of direct and indirect charges. The scheme is expected to ~~benefit second crop cultivation on the existing cultivated extent of 50.13 acres and a new extent of 86 acres and to~~ stabilise the second crop on ~~the entire~~ area of 85 acres. The additional yield anticipated is 42.5 tons of rice per annum. The Collector has reported that an additional revenue of Rs 971-7-0 can be realised by reclassification of the lands to be benefited by the scheme. F.& A.(F.P.) have noted that reclassification during the currency of resettlement is not permissible, no additional revenue can be expected from the scheme. The return from the scheme

is therefore 'Nil'. The scheme is proposed to be included in the Supplemental Intensive Cultivation Programme for 1950-51 and it will be eligible for a subsidy of Rs 15,731 from the Government Of India.

2. The Collector of South Kanara and the C.E.(I) have recommended the execution of the scheme, as the South Kanara district is a deficit one so far as food is concerned and as there is no scope for the construction of major irrigation projects in the district. F.& A.(F.P.) propose to recommend the scheme to the Cabinet ~~Sub~~ Committee for sanction. Finance may agree to the proposal.

3. The Collector of S.Kanara has proposed the recovery of a portion of the cost of the scheme from the ayacutdars under Section 3(3) of the Madras Irrigation Tanks (Improvement) Act,1949. F.& A.(F.P.) have noted that it has been proposed separately to amplify the definition of tank in Section 2(d) of the above Act so as to include madagas in the South Kanara district. They have also stated that, as the pre-requisite for applying Sec.3 of the Act is the existence of a tank and as this case relates to restoration of a madaga, the scheme will not be governed by the Act. Accordingly, they propose to ask the C.E.(I) and the Collector to give wide publicity to the Government's intention to levy betterment fee on all the lands to be benefited by the Scheme under the Irrigation Bill when it becomes law. Finance may agree to the ~~proposal~~. ~~Legal may perhaps~~ see with reference to 'A' above.

4. ~~The scheme~~ does not constitute a 'New Service'. The expenditure on the scheme in the current year is proposed to be met by reappropriation from the lumpsum provision of Rs 70 lakhs made in the current year's budget for the execution of G.M.F.irrigation schemes.

3/4/51

F.A.C.

BOARD OF REVENUE 12175 5-APR 1951 RGD.

F. & A. (F.I. II) Deptt

A.S. The proposal in this file relates to a Scheme for the 'restoration of Halthota Madaga in Hiliyana village of Kalpitiya taluk, South Kanara Dt. Full details of this Scheme will be found at Pp 1-4 ante. This department recommend the sanction of the Scheme by the Cabinet Committee for Food Production at its meeting to be held on 10.4.51. The Revenue and Finance Departments agree. With reference to M at p. 6 ante, it is submitted that an amendment to the definition of "land" in Act XIX of 1949 has been proposed so as to include Madagas also, under the advice of the Legal Department and the main file has been sent to Legal for drafting an amending Bill. Hence, in view of the above and also of the proposal to apply the provisions of the Irrigation Bill in this case, there is no need to send this file to Legal, as suggested by the Finance Department. This item has already been included in the agenda for the conference.

The Scheme in question will be included in the Programme of I.C. (Works) Irrigation Schemes for 1951

Stead of in the Supplemental Programme for 1950 51, as originally proposed at Z on p. 3 ante. A self-contained draft note for the Cabinet Committee for Food Production is submitted below for approval

28/4/51 | 4/5/51 | 5/4/51 | 7/4/51 | 7.4.51

This Madaga is essentially a "tank" I do not see the need for the portion marked in a blue line by me

Ag.
9/4/51

Submitted that most of the water sources used for irigation purposes in South Kanara Dt. are either Spring heads lying at the foot of hills or Madagas, which are in the nature of reservoirs. Irigation tanks, as popularly understood, are those having catchment areas and they are of a type different from those of the water sources in this district. The point at issue is whether the Madaga in question can be treated as a tank and improvements to it carried out under the provisions of the Act XIX of 1949. The report of the C.E. shows that this Madaga receives drainage from its basin of 0.15 sq. miles. Though there is no registered ayacut under

para 2 p 1 to 3.
15 - 27 ?
(Fe:

(C)

A p 11 c/o

A p 7 ?

the Madaga, there is already low irrigation under it and the present proposal to supplement water supply to an extent of 211.10 acres during the first crop season and to an extent of 59.13 acres during the second crop season. Hence, it may ~~possibly~~ be presumed that this Madaga is, for all practical purposes, a "tank" falling within the scope of the definition of the term "tank" occurring in Section 2(d) of the Act. In this view, the portion of the draft referred to by the C.F.P may be deleted and if this is accepted the draft note for the Cabinet Committee requires slight modification. The work will be carried out under the provisions of the Act XIX of 1949 and recovery of cost effected with reference to the rules framed thereunder. Necessary corrections have since been made in the draft, in anticipation approval.

regarding the allotment of lowlands the expenditure is to be debited & the provisions of law undisturbed recovery of cost to be effected from the beneficiaries (13)

(As time at our disposal is short, the draft note may, perhaps, be issued over the signature of the C.F.P.)

File will be put up to him as soon as he returns from camp.)

12.4.57

12/4/57

12/4/57

[Issued as Note for the Cabinet Committee for Food Production]

16/4/57

ne proposal for the restoration
thoiru Madaga in Hiriyana
ge of Hiriyur taluk, South Kanara Dt.
is been approved by the Cabinet Com-
mittee for Food Production, at its meeting
held on 16-4-51, as a Tank Improvement
Scheme. The C.E. (Lg M.F.) may, there-
fore, be asked to include this Scheme
in the Tank Improvement Programme
for 1951-52. A draft order sanction-
ing the Scheme and a draft note for
circulation for the information of
such of those Hon'ble Ministers, who
are not members of the Cabinet Com-
mittee for Food Production, are sub-
mitted for approval.

2. The file may be sent to
the Finance Department for acceptance
of the draft order below.

30-4-51 1/5/51 1/5/51 1.5.'51

Fin.

Fin (Exp C)
(Last seen in Fin at pps 5-6 above)

The further note of F&A (FP) at pp 7-10 above may be perused.

3 The draft order laid below may be accepted.

2.5.51 2.5.51 3/5/51

The draft order below may now issue.

4/5/51 3/5/51 F+A (F.P.) 4.5.51

Fin. No 33711

G.O.9538/51-2-FP II
1.5.51
with linked file

SENIOR ASSISTANT SECRETARY, FINANCE DEPARTMENT
33713
2-MAY 1951
GOVERNMENT OF [illegible]

BOARD OF REVENUE
1613
4-MAY 1951

Financial Forecast

Works Outlay	Rs.	24,200.
Estt. charges @ 25% gross	Rs.	6,050
Leave & Pensionary charges @ 8.119% of Estt.	Rs.	485
Tools & Plant @ 2% gross	Rs	484
Audit & Accts. @ 1% gross	Rs	242
Gross Outlay	Rs	31,461

Gross Revenue : Nil.

Govt Subsidy = Rs $\frac{31461}{2}$

= Rs 15731

25/3/57